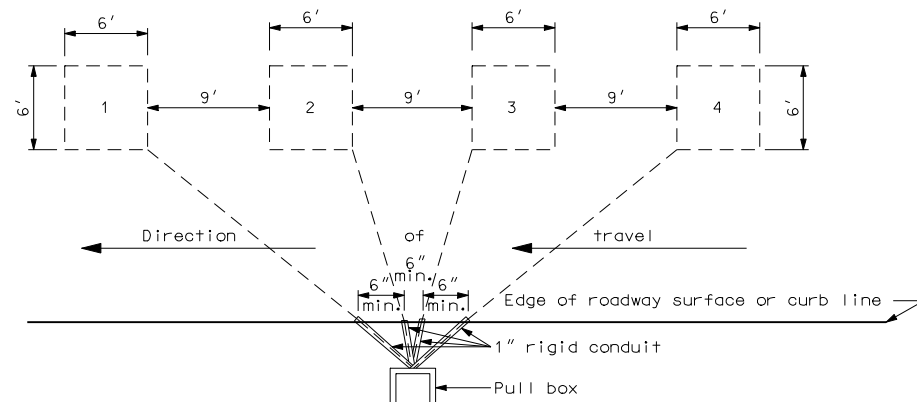
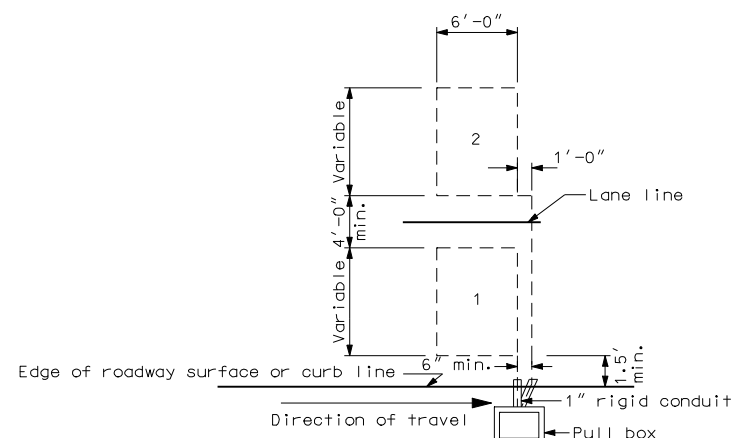


## LOOP DETECTORS DETAILS

(Saw Slot)

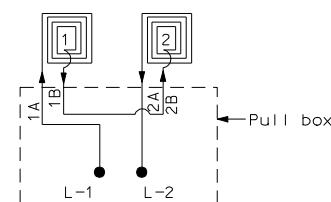


MULTIPLE LOOP DETECTOR DETAIL  
(Presence loops)



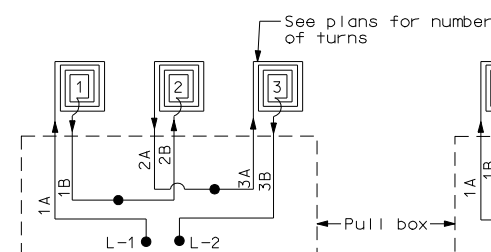
### LOOP DETECTOR DETAIL

(Passage or calling)  
(Number of loops and number of turns as shown  
in the plans)



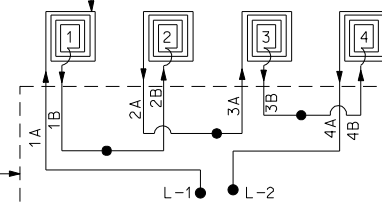
### MULTIPLE LOOP CONNECTION

All conductors shall be labeled in the pull box as shown. (1A, 1B, 2A, etc.) The loop connections shall be spliced in the pull box: 1A to L-1, 1B to 2B, and 2A to L-2.



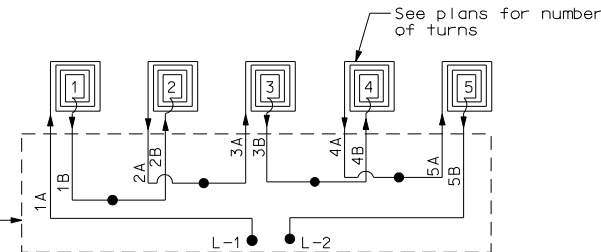
### MULTIPLE LOOP CONNECTION

All conductors shall be labeled in the pull box as shown. (1A, 1B, 2A, etc.) The loop connections shall be spliced in the pull box: 1A to L-1, 1B to 2B, 2A to 3A, and 3B to L-2.



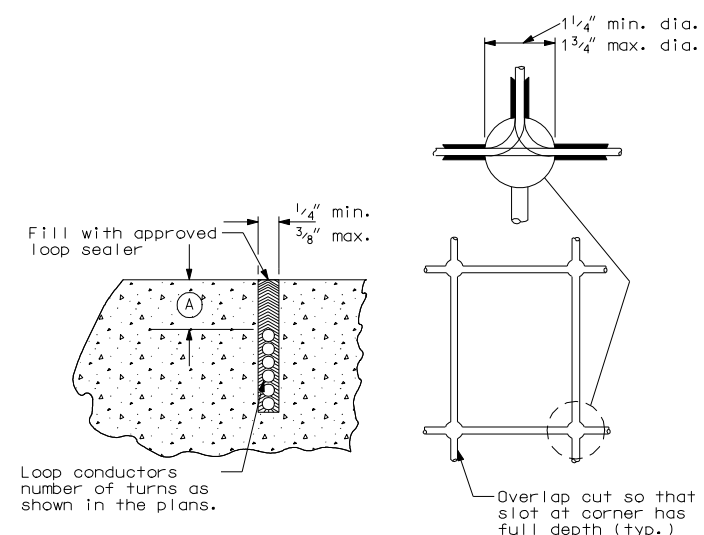
### MULTIPLE LOOP CONNECTION

All conductors shall be labeled in the pull box as shown. (1A, 1B, 2A, etc.) The loop connections shall be spliced in the pull box: 1A to L-1, 1B to 2B, 2A to 3A, 3B to 4B, and 4A to L-2.



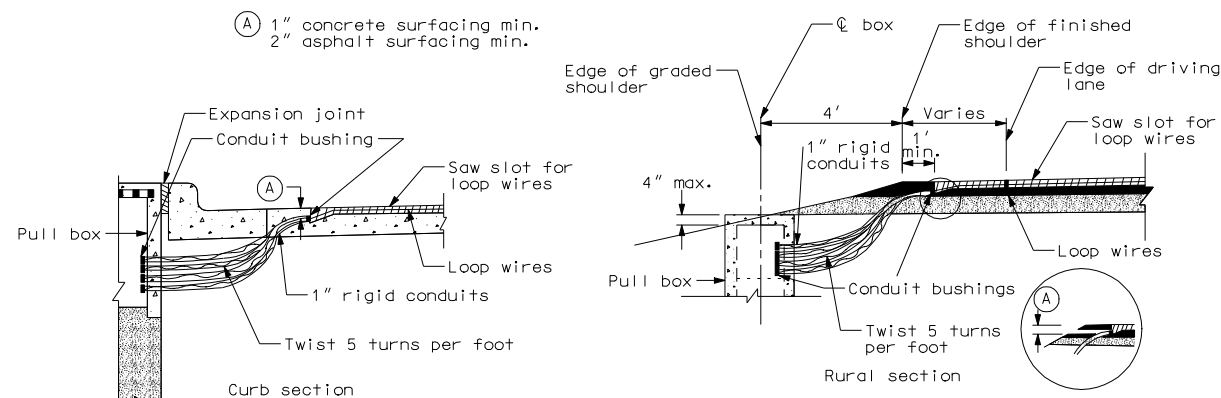
### MULTIPLE LOOP CONNECTION

All conductors shall be labeled in the pull box as shown. (1A, 1B, 2A, etc.) The loop connections shall be spliced in the pull box: 1A to L-1, 1B to 2B, 2A to 3A, 3B to 4B, 4A to 5A, and 5B to L-2.

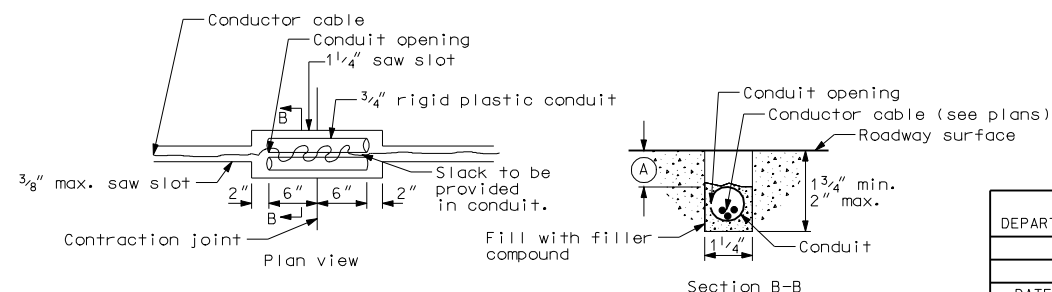


### SAW SLOT DETAILS

Drill detector loop corners 2" deep then saw pavement slots to form loops. Dimensions and location shall be as shown in plans.



SAW SLOT TO PULL BOX  
DETAILS



CONTRACTION JOINT DETAIL

(This detail shall be used whenever a crack in the roadway is encountered.)

|  |   |
|--|---|
| NORTH DAKOTA<br>DEPARTMENT OF TRANSPORTATION |   |
| 10-1-86                                      |   |
| REVISONS                                     |   |
| DATE   | CHANGE                                      |
| 08-03-87                                     | Note  |
| 11-20-89                                     | Rigid conduit at curb side                  |
| 12-08-89                                     | Multiple loop connections                   |
| 09-03-91                                     | Saw slot                                    |
| 10-12-94                                     | Delete loop lead-in<br>lightning protection |
| 10-29-03                                     | General layout revision                     |
| 12-01-04                                     | PE Stamp added                              |

This document was originally issued and sealed by MARK S GAYDOS, Registration Number PE-4518, on 12/01/04 and the original document is stored at the North Dakota Department of Transportation